The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A non linear, circular, spherical, planar and two or three dimensional thermoelectricity generator comprising thermoelectric conductors of the first, second or both types, inner and outer rings providing contacts to the thermoelectric material.

2. The thermoelectric module of claim **1,** which could function as an efficient thermoelectricity generator or by reversing the function, applied electricity to the module could act as an effective cooling device.

3. The thermoelectric module of claim **1,** wherein the reduction of difference between radii r_1 and r_2 would produce conduction by tunneling of charges from ring to ring.

4. The thermoelectric module of claim **1,** wherein the conduction between electrodes is caused by ionized matter.

5. In a method of fabricating the thermoelectric cell, wherein molten thermoelectric material of the first or the second type is placed between concentric pipes that are inexpensively sliced into wafers and each wafer is used as a thermoelectric cell.

6. In a method of fabricating the thermoelectric cell, wherein the inner electrode is eccentrically located.

7. The method of claim **6,** wherein the close distance between electrodes promotes carrier tunneling in addition to electrical conduction.